

Docket No.: NEB-180

JC929 U.S. PTO
009/738444
12/15/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: W.E. Jack, et al. EXAMINER:

SERIAL NO.: GROUP:

FILED:

FOR: Use of Site-Specific Nicking Endonucleases To
Create Single-Stranded Regions And
Applications Thereof

Hon. Commissioner of Patents
and Trademarks

Sir:

STATEMENTS IN SUPPORT OF FILING
AND SUBMISSIONS IN ACCORDANCE WITH 37 C.F.R.
§§1.821.1-1.825

In accordance with 37 C.F.R. §§1.821-1.825, I hereby state that the contents of the paper and computer-readable copies of the sequence listing submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same. I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(g) does not introduce new matter.

Respectfully submitted,

NEW ENGLAND BIOLABS, INC.

Date: 11/29/00


Gregory D. Williams
(Reg. No.: 30901)
Attorney for Applicant
32 Tozer Road
Beverly, MA 01915

SCANNED #

SEQUENCE LISTING

<110> Jack, William E.
Schildkraut, Ira
Menin, Julie F.
Greenough, Lucia

<120> Use of Site-Specific Nicking Endonucleases to Create
Single-Stranded Regions And Applications Thereof

<130> NEB-180

<140>
<141>

<160> 51

<170> PatentIn Ver. 2.0

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38

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<210> 7
<211> 82
<212> DNA
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tagcgatggt acatgacgac tc 82

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<212> DNA
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<211> 18
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<400> 10

agatctctgc agtctaga

18

<210> 11

<211> 21

<212> DNA

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<400> 11

tacattcaaa tatgttatccg c

21

<210> 12

<211> 21

<212> DNA

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<400> 12

taaacttggt ctgacagtta c

21

<210> 13

<211> 54

<212> DNA

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gagtatccgc ttaggtcaat cggaactcgga ccggatatac catgtgagtc gtca

54

<210> 14

<211> 54

<212> DNA

<213> synthetic oligonucleotide

<400> 14

cctgttagcg atggcacatg acgactcaca tgtgatatacc ggtccgagtc cgat

54

<210> 15

<211> 10

<212> DNA

<213> N.BstNBI Recognition Sequence

<220>

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of base pairing between the strands).

<400> 15

gagtcnnnnnn

10

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<400> 16
gcgtctaaac ccagatgt 18

<210> 17
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agctgttcta agccgcaa 18

<210> 19
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<210> 23
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<400> 24
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<400> 25
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<210> 27
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<210> 28
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<210> 29
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<400> 29
tgtaccatcg ctaacagg 18

<210> 30
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gagtctgaca tcgagcgctt agcatttagtc agactc 36

<210> 31
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<212> DNA
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entity.

<400> 31
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<210> 32
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<210> 33
<211> 50
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<210> 34
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12

<210> 36

<211> 12

<212> DNA

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<400> 36

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12

<210> 37

<211> 12

<212> DNA

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<223> Description of Artificial Sequence: Theoretical
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<400> 37

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12

<210> 38

<211> 12

<212> DNA

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12

<210> 39

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<212> DNA

<213> Artificial Sequence

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<210> 40
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sequence - randomly generated

<400> 40
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<210> 41
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sequence - randomly generated

<400> 41
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<210> 42
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<210> 43
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sequence - randomly generated

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12

<210> 44
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<210> 45
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<210> 46
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<210> 47
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sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity.

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<220>
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<210> 49
<211> 30
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<213> synthetic oligonucleotide

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